HOME & BUSINESS SECURITY

INTERNET & MOBILE CONNECTIVITY, H.264
4/8/16 CHANNEL EDGE+ DIGITAL VIDEO SURVEILLANCE RECORDER

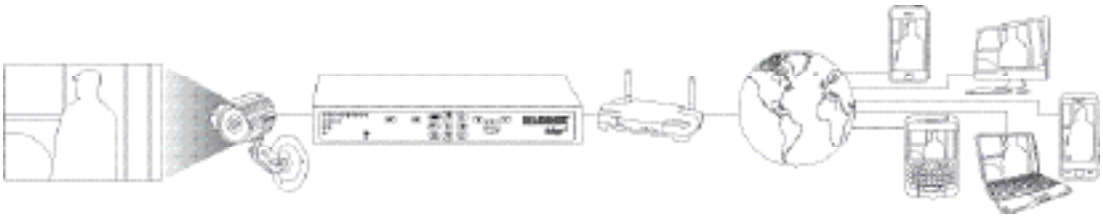
Instant Mobile Viewing

Easy Connect Wizard

H.264

GUI

Connect from anywhere in the world on any device†. Ideal for business or home.



iPhone

Blackberry™
& compatible 3G Smartphones†

PC

Mac

The leading Edge in video security. Ideal for business or home.

Monitor not included. Pictures simulated.

- CONNECT
- SEE
- RECORD
- PROTECT

LOREX®
CONNECT. PROTECT.

LH320 Edge+ Series | **DIGITAL VIDEO SURVEILLANCE RECORDER**

www.lorextechnology.com

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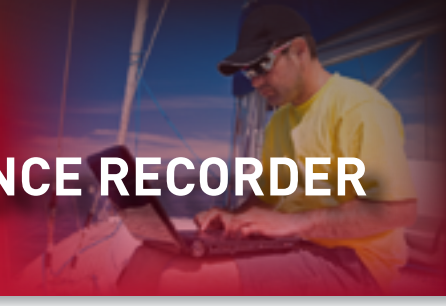
4/8/16 CHANNEL DIGITAL VIDEO SURVEILLANCE RECORDER



DIGITAL VIDEO RECORDER:

- EDGE design for stand alone or VESA mount (Wall & LCD)
- 3D graphics, crisp, color rich, high contrast video
- DVI/VGA output for display on LCD PC or TV monitor with DVI/VGA input. HDMI compatible•
- H.264 video compression[1]
- Pentaplex operation - View, Record, Playback, Back Up & Remotely Control the system simultaneously
- Record at VGA resolution (640 x 480) per channel.
- Video output (up to) 1280 x 1024 @ 60 Hz
- Small form factor (7.0x11.5x1.5")
- Expandable up to 2TB SATA HDD
- "Flex" IR controller (line-of-sight not required)
- USB: backup, image transfer, firmware upgrade, mouse
- Alarm Input/Output (4/1), 2 Audio Inputs/output
- PTZ cameras supported (RS485)
- Record on motion detection, schedule or continuous
- Navigation: Front controls, Mouse, Remote Control

VESA MOUNT

Easily mounts to the back of an LCD monitor (not included) †† (Requires clear access to the VESA mounting holes. Monitor not included).

CONNECTIVITY:

- LOREX Instant Mobile Viewing on iPad™, iPhone™ and other compatible Smart phones† : BlackBerry (9000 & above), Android (version 1.5 & above) and Window Moblie (6.0 & above).
- Exclusive LOREX Easy Connect Internet Set-up Wizard [2]
- PC (Microsoft Windows™ 7/Vista/XP compatible) using Internet Explorer® browser
- Apple Mac™ compatible using Safari browser for multi channel live viewing
- Free LOREX DDNS (Dynamic Domain Name Service) for advanced remote connectivity at all times
- Instant email alerts

1. Recording time may vary based on recording resolution & quality, lighting conditions and movement in the scene.
2. Requires a high speed internet connection and a router (not included).
• DVI to HDMI converter cable required. (not included).
† Instant Mobile Viewing on iPad™, iPhone™ and other compatible Smart phones: BlackBerry (9000 & above), Andriod (version 1.5 & above) and Window Moblie (6.0 & above). Selectable one channel live viewing. Mobile phone data plan is required (not included). Router port forwarding required. For the latest smart phone compatibility list check www.lorextechnology.com
†† Easily mounts to the back of an LCD monitor with VESA standard mounting holes and an independent stand (monitor not included). Requires clear access to the 100 x100 mm VESA mounting holes.
Always use discretion when installing video and/or audio surveillance equipment especially when there is perceived privacy. Inquire regarding federal, state and/or local regulations applicable to the lawful installation of video and or audio recording or surveillance. Party consent may be required.
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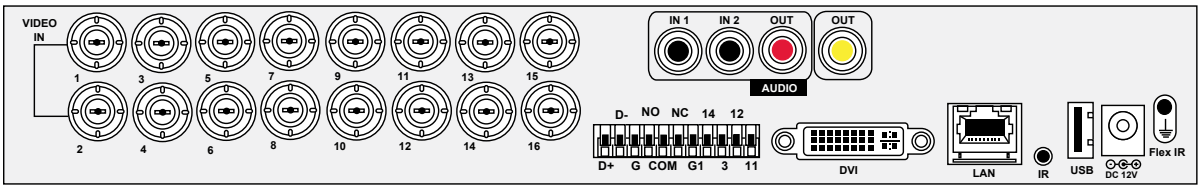
BACK PANEL:



16 channel configuration shown above. 4/8 will have the respective number of video inputs

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Specifications:

DVR:

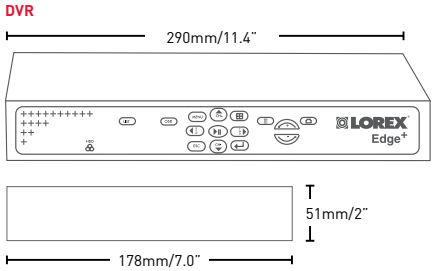
SYSTEM	
Operating System	Linux (embedded)
Pentaplex	Simultaneous View, Record, Playback, Backup & Remote Monitoring
Number of Channels	**4/8/16** Channel
Inputs/Outputs	
Video IN	4/8/16 x 1Vp-p, 75ohms, BNC
DVI Out	DVI compatible. DVI to VGA Converter included
Audio IN	2 Line in(RCA)
Audio Out	2 line out(RCA)
USB Port	2 front & back
Alarm IN	4 x TTL, programmable as NC/NO
Alarm Out	1 x Relay with NO/NC contact
PTZ control	By Terminal connector (RS485)
Display	
Live Display	1 or 4 (4ch) 1 or 4 or 9 (8ch) 1 or 4 or 9 or 16 (16ch)
Live Display Speed	120 (4ch)/ 240 (8ch)/ 240 (16ch) NTSC, 100 (4ch)/ 200 (8ch)/ 200 (16ch) PAL
OSD	ON/OFF
OSD Navigation	USB Mouse, IR Remote Controller, Front Panel Controls
Activity Detection	6 x 8 grid
Sensitivity levels	100
System Control	USB Mouse, Front Panel Controls, Handheld Remote Control
Firmware Upgrade	Via USB device
User Authority	ADMIN/USER/GUEST
RECORDING	
Video Compression	H.264
Audio Compression	ADPCM
Recording Speed & Resolution –	**4 Channel:** 120 fps (NTSC), 100 fps (PAL) @ 640 x 240 NTSC / 640 x 256 PAL
	60 fps (NTSC), 50 fps (PAL) @ 640 x 480 NTSC / 640 x 512 PAL
Recording Speed & Resolution –	**8/16 Channel:** 240 fps (NTSC), 200 fps (PAL) @ 320 x 240 NTSC / 320 x 256 PAL
	120 fps (NTSC), 200 fps (PAL) @ 640 x 240 NTSC / 640 x 256 PAL
	60 fps (NTSC), 100 fps (PAL) @ 640 x 480 NTSC / 640 x 512 PAL
Recording Resolution Setting	Programmable per camera
Recording Quality Control	5 levels
Image Size	8.51 Kbyte (640x480,640x512), 11.2 Kbyte (640x240, 640x256) 14.13 Kbyte (320x240, 320x256)
Recording modes	Continuous, motion, alarm
Pre Recording	Max. 10 seconds
Post Recording	Max. 255 seconds
Alarm Recording	Programmable per camera
Reliability	Watch-Dog, Auto-recovery after power failure

PLAYBACK	
Playback Display	1,4 (4ch), 1,4,9 (8ch), 1,4,9,16 (16ch)
Playback Speed	Variable up to 60x
Playback Players	Apple QuickTime Player
Search	By time & event
STORAGE & ARCHIVE	
Storage	Up to 1 HDD's (SATA)
Maximum Capacity	Up to 2TB
Backup Media	USB Flash Drive (max 4GB)
Backup File Format	MOV file (Codec included)
Bookmark Archiving	Supported
CONNECTIVITY	
Easy Connect	1. Yoics Enabled (registration required)
	2. Lorex Auto Port Forward Wizard
Software	Web browser
Supported Operating Systems	Windows™ XP, Vista, 7 and Apple Mac (via Safari browser)
Browsers	Internet Explorer, Safari
Email notification	Text (4ch), Snap Shot attachment (8/16ch)
Mobile connectivity	iPad™ , iPhone™ - 3.1.2 and above, Blackberry™ - 9000 Series and above, Android (version 1.5 & above), Windows Mobile™ smart phones – 6.0 and above touch screen smart phones
DDNS	Free Lorex DDNS
Web Server Port	Programmable by User
Network Protocol	LAN, DHCP, Dynamic IP, DDNS
Network Interface	10/100-Base-TX, RJ-45
Network Speed Control	10 levels (28.8Kb ~ 1.5MB)/sec.
GENERAL	
Power Consumption	Approx. 30 watts
Supply Voltage	120VAC-240VAC, 12VDC, 2.5A(4ch) 3A(8/16ch), 50/60Hz
Unit Dimensions (W x D x H) (W X D X H)	11.4" / 290mm X 7.0"/178mm X 2.0"/51mm
Unit Weight (KGs)	3.25 lbs
Operating temperature	41° ~ 104° F / 5° ~ 40° C
Humidity	10 ~ 75% NC

Product Information:

Model#:	**LH324501 - 4 Channel Edge+ with 500GB HDD in a Giftbox. UPC Code:** 7-78597-32403-7 **LH328501 - 8 Channel Edge+ with 500GB HDD in a Giftbox. UPC Code:** 7-78597-32801-1 **LH326501 - 16 Channel Edge+ with 500GB HDD in a Giftbox. UPC Code:** 7-78597-32601-7 **LH3281001 - 8 Channel Edge+ with 1 TB HDD in a Giftbox. UPC Code** 7-78597-32812-7 **LH3261001 - 16 Channel Edge+ with 1 TB HDD in a Giftbox. UPC Code** 7-78597-32608-6
Package Weight:	DVR with 500GB HDD - 3.1 kg / 6.85 lb DVR with 1TB HDD - 3.3 kg / 7.4 lb
Package Cube:	0.02174m / 0.77648ft
Package Dimensions:	320mm x 55mm x 245mm 12.5" x 2.15" x 9.6" (W x H x D)
Includes:	DVR with Pre-Installed HDD, Remote Control & "Flex-IR", Power adapter, DVI to VGA Converter, Mouse, Ethernet Cable, 2 screws (for key-hole style VESA mounting), DVR Documentation CD, QSG, Instruction Manual.

Dimensions:



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